

1. Evaluate $\lim_{x \rightarrow 1} (x^3 - 1) / (x - 1)$

0

2. The concept of _____ is a fundamental to calculus.

Limit

3. Evaluate $\lim_{x \rightarrow 2} (x^2 - 2x + 3)$

3

4. Evaluate $\lim_{x \rightarrow 2} (2x^2 - 4x - 2)$

4

5. A polynomial function is _____ at every real number.

continuous

6. The relationship between two variables is called _____.

Function

7. Which of the following is NOT a function?

$x + y^2 = 1$

8. Evaluate $\lim_{x \rightarrow 2} (x^2 - 2x + 3)$

3

9. Evaluate $\lim_{x \rightarrow 2} (2x^2 - 4x - 2)$

4

10. Given that $f(x) = 2x^2 - 4x + 1$, what is the value of $f(-1)$ is.

7

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